BPH 920113MC

Fax with

EMI, Richwood, OH

MMB

FEDERAL AVIATION ADMINISTRATION
Great Lakes Region, AGL-530
2300 East Devon Avenue
Des Plaines, IL 60018

In Reply Refer To
AERONAUTICAL STUDY NO.
91-AGL-2467-OE

ACKNOWLEDGMENT OF NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION

PROPONENT:

Ms. Janice M. Scantland
355 East Center St.

Marion, OH 43302

CONSTRUCTION LOCATION:
Richwood, OH

LATITUDE : 40-19-46.
LONGITUDE: 083-14-39.

	AGL	AMSL
HEIGHT:	341. ft	1279. ft

CONSTRUCTION PROPOSED: Antenna Tower.
FREQUENCY: 106.3 MHz.
EFFECTIVE RADIATED POWER (ERP): 3 kW.

The Federal Aviation Administration acknowledges receipt of notice dated 12/05/91, concerning the proposed construction or alteration described above.

A study has been conducted under the provisions of Part 77 of the Federal Aviation Regulations to determine whether the proposed construction would be an obstruction to air navigation, whether it should be marked and lighted to enhance safety in air navigation, and whether supplemental notice of start and completion of construction is required to permit timely charting and notification to airmen. The findings of that study are as follows:

The proposed construction would exceed Part 77 obstruction standards and further aeronautical study is necessary to determine whether it would be a hazard to air navigation. Pending completion of any further study, it is presumed the construction would be a hazard to air navigation.

Further study may be requested by the sponsor within 30 days of this acknowledgment.

The potential for electromagnetic interference (EMI) exists. See remarks.

If the proposed structure were reduced in height to not exceed 232 ft. above ground level (1170 ft. above mean sea level), it would not exceed Part 77 obstruction standards.

If the structure is subject to the licensing authority of the FCC, a copy of this acknowledgement will be sent to that Agency.

>>>> NOTICE IS REQUIRED ANYTIME THE PROJECT IS ABANDONED OR THE PROPOSAL IS MODIFIED <<<<

Remarks:
Any height greater than 232'AGL/1170'AMSL will have an adverse impact to instrument flight rules (IFR) procedures to Delaware Municpal Airport, Delaware, OH. In addition to exceeding Federal Aviation Regulations Part 77 height obstruction standards, see page 2 for electromagnetic interference (EMI) effects.

Original Signed by
Thomas C. Johnson

Signed: Douglas F. Powers
Manager, System Management Branch

Issued In: Des Plaines, Illinois
On: 01/29/92

15 FEB 1992

9 FEB 1992

7 FEB 1992

TO: AGL 420
Airspace Case # : 91-AGL-2467-OE Date: 01-21-1992
Transmitter Location: RICHWOOD, OH
Proponent Frequency: 106.3 MHz

The impact of the proposed radio transmitter system on Aeronautical Radio Services is as follows:

Aircraft operating within the following frequency protected service volume (s) (FPSV) making an instrument approach will be subject to hazardous interference:

Instrument landing system (ILS) Runway 9R at OHIO STATE UNIVERSITY Airport, COLUMBUS, OH utilizing the localizer frequency 108.5 MHz:

INTERFERENCE TYPE	F1 (MHz)		F2 (MHz)		F3 (MHz)		IM Result (MHz)	Threshold (dBm)
ILS INTERMODULATION	107.9	+	106.9	-	106.3	=	108.5	-128.09
[illegible]	[illegible]		[illegible]		[illegible]		[illegible]	[illegible]